

## Soil Remediation Unit Emission Fee Calculation Guide

In order to calculate emission fees for a soil remediation unit the following information must be known for each plant:

1. tons of soil treated in the past year.
2. kilowatt hours produced by the diesel generators in past year  
(estimate by multiplying the kW rating of the generator times the number of hours operated.)
3. number of gallons of diesel burned in past year.

That is all the information required to estimate the emission fees.

Provide the emission estimate to the department no later than March 31<sup>st</sup> each year.

SOIL REMEDIATION UNIT EMISSION FEE CALCULATIONS	
NO <sub>x</sub> TPY (A) = tons of soil treated multiplied by	
0.00006 for diesel fired	0.000013 for nat gas fired
CO TPY (B) = tons of soil treated multiplied by	
0.0002 for diesel fired	0.0002 for nat gas fired
NO <sub>x</sub> TPY (C1) from diesel generators Multiply kW hours by 0.000020786 = C1	
CO TPY (C2) from diesel generators Multiply kW hours by 0.000004479 = C2	
SO <sub>2</sub> TPY (D) = gals of diesel burned for the year multiplied by 0.0000355	
Determine Total NO <sub>x</sub> A + C1 = X	Determine Total CO B + C2 = Y
If either X or Y or D is less than 10 tons do not include in calculation below.	
NO <sub>x</sub> (X) + CO (Y) + SO <sub>2</sub> (D) = Total emissions in tons per year (TPY)	
Total emissions (TPY) x \$12.52 = Emission Fee in \$	

Send Emission Estimate to:  
ADEC Air Permits  
Assessable Emission Estimate  
410 Willoughby Avenue, Suite 303  
Juneau, Alaska 99801

Or FAX to (907) 465 5129 PLEASE MARK FAX "EMISSION FEE ESTIMATE"